

US 5,414,542

4) Cell A

(5) Substrates 12a, 12b:

(6) 1.1 mm-thick glass plates

(7) Transparent electrodes 13a, 13b:

(8) 1150 .ANG.-thick film of ITO (refractive index= 1.92)

(9) Dielectric films 14a, 14b:

(10) 450 .ANG.-thick film of SiO₂ (refractive index= 1.47)

(11) Alignment films 15a, 15b:

(12) 600 .ANG.-thick film of polyimide (refractive index= 1.67)

(13) Ferroelectric liquid crystal 16:

(14) averagely 1.5 micron-thick layer of CS-1014 (available from Chisso K.K.

n_{sub..perp.} = 1.55, n_{sub..parallel.} = 1.70; maximum tilt angle=20 degrees,

tilt angle in the cell under no electric field=8 degrees, pre-tilt angle in SmA

phase.apprxeq.0 degree.

(15) Polarizers 11a, 11b:

(16) disposed in right angle cross nicols so as to provide the darkest state

under no electric field.

(17) The changes i

Patent Assignment Abstract of Title

Total Assignments: 1**Application #:** 09617120**Filing Dt:** 07/14/2000**Patent #:** NONE**Issue Dt:****PCT #:** NONE**Publication #:** NONE**Pub Dt:****Inventor:** Yoko Katsuya**Title:** Liquid crystal display device having high light utilization efficiency**Assignment: 1****Reel/Frame:** 010951/0372 **Received:** 08/01/2000 **Recorded:** 07/14/2000 **Mailed:** 09/15/2000 **Pages:** 2**Coveyance:** ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).**Assignor:** KATSUYA, YOKO**Exec Dt:** 07/03/2000**Assignee:** SHARP KABUSHIKI KAISHA

22-22, NAGAIKE-CHO, ABENO-KU

OSAKA, JAPAN

Correspondent: NIXON & VANDERHYE P.C.

H. WARREN BURNAM, JR.

1100 NORTH GLEBE ROAD

8TH FLOOR

ARLINGTON, VA 22201

Search Results as of: 3/13/2003 10:13:43 A.M.

If you have any comments or questions concerning the data displayed, contact OPR / Assignments at 703-308-9723
Web interface last modified: Oct. 5, 2002